

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/007812

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N29/02
//A61B8/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N G01F A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	DE 101 06 308 C (SIEMENS AG) 11 July 2002 (2002-07-11) abstract; claims 1,4; figures 1-3 paragraph [0006] - paragraph [0021] -----	1,2,10, 14,18 3-9, 11-13, 15-17
X	EP 0 855 577 A (ELECTROWATT TECH INNOVAT CORP) 29 July 1998 (1998-07-29) abstract; figures 1,3a-3d page 2, line 26 - page 4, line 37 -----	1,3,14
X	EP 1 077 365 A (NGK SPARK PLUG CO) 21 February 2001 (2001-02-21) abstract; claim 1; figures 3,4 paragraph [0096] - paragraph [0125] ----- -/-	1,4,14

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

20 January 2005

Date of mailing of the international search report

16. 02. 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 028 938 A (ECK CALVERT F) 14 June 1977 (1977-06-14) abstract; claim 1; figures 1,2a,2b,2c column 3, line 43 - column 6, line 61 -----	1,8,12, 14
X	US 5 123 286 A (BAUMGAERTNER MANFRED) 23 June 1992 (1992-06-23) abstract; claims 1,3; figures 1-3 column 2, line 61 - column 4, line 47 -----	1,11,14
X	US 4 754 650 A (SMALLING JACK W ET AL) 5 July 1988 (1988-07-05) abstract; claim 1; figures 11,12,16 column 2, line 63 - column 5, line 50 column 15, line 46 - column 19, line 52 -----	1,13-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007812

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10106308	C	11-07-2002	DE 10106308 C1	11-07-2002
EP 0855577	A	29-07-1998	EP 0855577 A1	29-07-1998
			JP 10221140 A	21-08-1998
			PL 324517 A1	03-08-1998
EP 1077365	A	21-02-2001	JP 2001124745 A	11-05-2001
			EP 1077365 A2	21-02-2001
			US 6568281 B1	27-05-2003
US 4028938	A	14-06-1977	GB 1538984 A	24-01-1979
			NL 7700306 A	28-07-1977
US 5123286	A	23-06-1992	EP 0452531 A1	23-10-1991
			DE 59008200 D1	16-02-1995
			DK 452531 T3	19-06-1995
			FI 911917 A	21-10-1991
			JP 3022623 B2	21-03-2000
			JP 4230882 A	19-08-1992
US 4754650	A	05-07-1988	US 4596133 A	24-06-1986
			US 4856321 A	15-08-1989
			DE 3428058 A1	28-03-1985
			DE 3448533 C2	17-10-1996
			FR 2569270 A1	21-02-1986
			GB 2146122 A, B	11-04-1985
			IT 1179744 B	16-09-1987
			JP 1864158 C	08-08-1994
			JP 5076580 B	22-10-1993
			JP 60115825 A	22-06-1985